

Abstract

The invention concerns a method for desalting water by reverse osmosis, in particular for desalting sea water, whereby salt water at a first pressure level is introduced into a pressure compensating device, and is conveyed from the pressure-compensating device at a second, higher pressure level into a membrane module, whereby desalinated water and concentrated salt water are discharged from the membrane module. In order to increase the efficiency and consequently the energy balance of such a method, the invention proposes to continuously introduce the concentrated salt water, which has been discharged from the membrane module, at a second pressure level into the pressure-compensating device, wherein it is used to subject the salt water introduced into the pressure compensating device to the second pressure level, and to discharge the salt water and convey it to the membrane module. The invention also concerns a device for implementing this method.